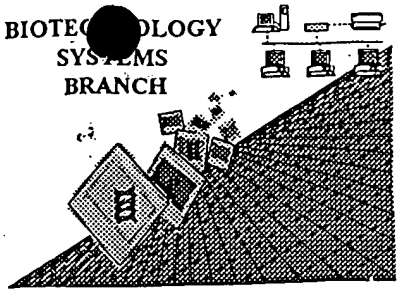
Re-run

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/647,140

Source: PCT/09

Date Processed by STIC: 6/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 09/647,140

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

PCT09

RAW SEQUENCE LISTING DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

Does Not Comply
Corrected Diskette Needed
P.6

3 <110> APPLICANT: Fox Chase Cancer Center
4 Kruh, Gary D.
5 Lee, Kun
6 Belinsky, Martin G.
7 Bain, Lisa J.
9 <120> TITLE OF INVENTION: MRP-Related ABC Transporter Encoding
10 Nucleic Acids and Methods of Use Thereof
12 <130> FILE REFERENCE: FCCC 98-02
14 <140> CURRENT APPLICATION NUMBER: 09/647,140
C--> 15 <141> CURRENT FILING DATE: 2001-05-21
17 <150> PRIOR APPLICATION NUMBER: PCT/US99/06644
18 <151> PRIOR FILING DATE: 1999-03-26
20 <150> PRIOR APPLICATION NUMBER: 60/079,759
21 <151> PRIOR FILING DATE: 1998-03-27
23 <150> PRIOR APPLICATION NUMBER: 60/095,153
24 <151> PRIOR FILING DATE: 1998-08-03
26 <160> NUMBER OF SEQ ID NOS: 18
28 <170> SOFTWARE: FastSEQ for Windows Version 3.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 4231
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1

37 ggacaggcgt ggcggccgga gccccagcat ccctgcttga ggtccaggag cggagcccgc 60
38 ggccaccgcc gcctgatcag cgcgaccccg gcccgcgccc gccccgcccg gcaagatgct 120
39 gcccgtgtac caggaggtga agcccaaccc gctgcaggac gcgaacatct gctcacgcgt 180
40 gttcttctgg tggctcaatc ccttgtttaa aattggccat aaacggagat tagaggaaga 240
41 tgatatgtat tcagtgctgc cagaagaccg ctcacagcac cttggagagg agttgcaagg 300
42 gttctgggat aaagaagttt taagagctga gaatgacgca cagaagcctt ctttaacaag 360
43 agcaatcata aagtgttact ggaaatctta tttagttttg ggaattttta cgttaattga 420
44 ggaaagtgcc aaagtaatcc agcccatatt tttgggaaaa attattaatt attttgaaaa 480
45 ttatgatccc atggattctg tggctttgaa cacagcgtac gcctatgcca cggtgctgac 540
46 tttttgcacg ctcattttgg ctatactgca tcacttatat ttttatcacg ttcagtgtgc 600
47 tgggatgagg ttacgagtag ccatgtgcca tatgatttat cggaaggcac ttcgtcttag 660
48 taacatggcc atggggaaga caaccacagg ccagatagtc aatctgctgt ccaatgatgt 720
49 gaacaagttt gatcaggtga cagtgttctt acacttcctg tgggcaggac cactgcaggc 780
50 gatcgcagtg actgccctac tctggatgga gataggaata tcgtgccttg ctgggatggc 840
51 agttctaatc attctcctgc ccttgaaaag ctgttttggg aagttgttct catcactgag 900
52 gagtaaaact gcaactttca cggatgccag gatcaggacc atgaatgaag ttataactgg 960
53 tataaggata ataaaaatgt acgcctggga aaagtcattt tcaaatctta ttaccaattt 1020
54 gagaaagaag gagatttcca agattctgag aagttcctgc ctcaggggga tgaatttggc 1080
55 ttcgtttttc agtgcaagca aaatcatcgt gtttgtgacc ttcaccacct acgtgctcct 1140
56 cggcagtgtg atcacagcca gccgcgtgtt cgtggcagtg acgctgtatg gggctgtgcg 1200
57 gctgacggtt accctcttct tcccctcagc cattgagagg gtgtcagagg caatcgtcag 1260
58 catccgaaga atccagacct ttttgctact tgatgagata tcacagcgca accgtcagct 1320
59 gccgtcagat ggtaaaaaga tggtgcatgt gcaggatttt actgcttttt gggataaggc 1380
60 atcagagacc ccaactctac aaggcctttc ctttactgtc agacctggcg aattgttagc 1440

RAW SEQUENCE LISTING DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

61 tgtggtcggc cccgtgggag cagggaagtc atcactgtta agtgccgtgc tcggggaatt 1500
62 ggccccaagt cacgggctgg tcagcgtgca tggaagaatt gcctatgtgt ctcagcagcc 1560
63 ctgggtgttc tcgggaactc tgaggagtaa tattttattt gggaagaaat atgaaaagga 1620
64 acgatatgaa aaagtcataa aggcttgtgc tctgaaaaag gatttacagc tgttggagga 1680
65 tggtgatctg actgtgatag gagatcgggg aaccacgctg agtggagggc agaaagcacg 1740
66 ggtaaacctt gcaagagcag tgtatcaaga tgctgacatc tatctcctgg acgatcctct 1800
67 cagtgcagta gatgcggaag ttagcagaca cttgttcgaa ctgtgtattt gtcaaatttt 1860
68 gcatgagaag atcacaattt tagtgactca tcagttgcag tacctcaaag ctgcaagtca 1920
69 gattctgata ttgaaagatg gtaaaatggt gcagaagggg acttacactg agttcctaaa 1980
70 atctggtata gattttggct ccctttttaaa gaaggataat gaggaaagtg aacaacctcc 2040
71 agttccagga actcccacac taaggaatcg taccttctca gagtcttcgg tttggtctca 2100
72 acaatcttct agaccctcct tgaaagatgg tgctctggag agccaagata cagagaatgt 2160
73 cccagttaca ctatcagagg agaaccgttc tgaaggaaaa gttggttttc aggcctataa 2220
74 gaattacttc agagctggtg ctcactggat tgtcttcatt ttccttattc tcctaaacac 2280
75 tgcagctcag gttgcctatg tgcttcaaga ttggtggctt tcatactggg caaacaaaca 2340
76 aagtatgcta aatgtcactg taaatggagg aggaaatgta accgagaagc tagatcttaa 2400
77 ctggtactta ggaatttatt caggtttaac tgtagctacc gttctttttg gcatagcaag 2460
78 atctctattg gtattctacg tccttgttaa ctcttcacaa actttgcaca acaaaatgtt 2520
79 tgagtcaatt ctgaaagctc cggtattatt ctttgataga aatccaatag gaagaatttt 2580
80 aaatcgtttc tccaaagaca ttggacactt ggatgatttg ctgccgctga cgtttttaga 2640
81 tttcatccag acattgctac aagtggttgg tgtggtctct gtggctgtgg ccgtgattcc 2700
82 ttggatcgca ataccccttgg ttccccttgg aatcattttc atttttcttc ggcgatattt 2760
83 tttggaaacg tcaagagatg tgaagcgcct ggaatctaca actcggagtc cagtgttttc 2820
84 ccacttgtca tcttctctcc aggggctctg gaccatccgg gcatacaaag cagaagagag 2880
85 gtgtcaggaa ctgtttgatg cacaccagga tttacattca gaggcttggt tcttgttttt 2940
86 gacaacgtcc cgctggttcg ccgtccgtct ggatgccatc tgtgccatgt ttgtcatcat 3000
87 cgttgccttt gggtccctga ttctggcaaa aactctggat gccgggcagg ttggtttggc 3060
88 actgtcctat gccctcacgc tcatggggat gtttcagtgg tgtgttcgac aaagtgctga 3120
89 agttgagaat atgatgatct cagtagaaag ggtcattgaa tacacagacc ttgaaaaaga 3180
90 agcaccttgg gaatatcaga aacgcccacc accagcctgg ccccatgaag gagtgataat 3240
91 ctttgacaat gtgaacttca tgtacagtcc aggtgggcct ctggtactga agcatctgac 3300
92 agcactcatt aaatcacaag aaaaggttgg cattgtggga agaaccggag ctggaaaaag 3360
93 ttccctcatc tcagcccttt ttagattgtc agaacccgaa ggtaaaattt ggattgataa 3420
94 gatcttgaca actgaaattg gacttcacga tttaaggaag aaaatgtcaa tcatacctca 3480
95 ggaacctgtt ttgttcactg gaacaatgag gaaaaacctg gatcccttta aggagcacac 3540
96 ggatgaggaa ctgtggaatg ccttacaaga ggtacaactt aaagaaacca ttgaagatct 3600
97 tcctggtaaa atggatactg aattagcaga atcaggatcc aattttagtg ttggacaaag 3660
98 acaactggtg tgccttgcca gggcaattct caggaaaaat cagatattga ttattgatga 3720
99 agcgacggca aatgtggatc caagaactga tgagttaata caaaaaaaaa tccgggagaa 3780
100 atttgcccac tgcaccgtgc taaccattgc acacagattg aacaccatta ttgacagcga 3840
101 caagataatg gttttagatt caggaagact gaaagaatat gatgagccgt atgttttgct 3900
102 gcaaaataaa gagagcctat tttacaagat ggtgcaacaa ctgggcaagg cagaagccgc 3960
103 tgccctcact gaaacagcaa aacaggtata cttcaaaaga aattatccac atattggtca 4020
104 cactgaccac atggttacaa acacttccaa tggacagccc tcgaccttaa ctattttcga 4080
105 gacagcactg tgaatccaac caaaatgtca agtccgttcc gaaggcattt tccactagtt 4140
106 tttggactat gtaaaccaca ttgtactttt ttttactttg gcaacaaata tttatacata 4200
107 caagatgcta gttcatttga atatttctcc c 4231
110 <210> SEQ ID NO: 2
111 <211> LENGTH: 1325

RAW SEQUENCE LISTING DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

```
 Met Leu Pro Val Tyr Gln Glu Val Lys Pro Asn Pro Leu Gln Asp Ala
  1               5                  10                  15
 Asn Ile Cys Ser Arg Val Phe Phe Trp Trp Leu Asn Pro Leu Phe Lys
             20                  25                  30
 Ile Gly His Lys Arg Arg Leu Glu Glu Asp Asp Met Tyr Ser Val Leu
         35                  40                  45
 Pro Glu Asp Arg Ser Gln His Leu Gly Glu Glu Leu Gln Gly Phe Trp
     50                  55                  60
 Asp Lys Glu Val Leu Arg Ala Glu Asn Asp Ala Gln Lys Pro Ser Leu
 65                  70                  75                  80
 Thr Arg Ala Ile Ile Lys Cys Tyr Trp Lys Ser Tyr Leu Val Leu Gly
                 85                  90                  95
 Ile Phe Thr Leu Ile Glu Glu Ser Ala Lys Val Ile Gln Pro Ile Phe
             100                 105                 110
 Leu Gly Lys Ile Ile Asn Tyr Phe Glu Asn Tyr Asp Pro Met Asp Ser
         115                 120                 125
 Val Ala Leu Asn Thr Ala Tyr Ala Tyr Ala Thr Val Leu Thr Phe Cys
     130                 135                 140
 Thr Leu Ile Leu Ala Ile Leu His His Leu Tyr Phe Tyr His Val Gln
 145                 150                 155                 160
 Cys Ala Gly Met Arg Leu Arg Val Ala Met Cys His Met Ile Tyr Arg
                 165                 170                 175
 Lys Ala Leu Arg Leu Ser Asn Met Ala Met Gly Lys Thr Thr Thr Gly
             180                 185                 190
 Gln Ile Val Asn Leu Leu Ser Asn Asp Val Asn Lys Phe Asp Gln Val
         195                 200                 205
 Thr Val Phe Leu His Phe Leu Trp Ala Gly Pro Leu Gln Ala Ile Ala
     210                 215                 220
 Val Thr Ala Leu Leu Trp Met Glu Ile Gly Ile Ser Cys Leu Ala Gly
 225                 230                 235                 240
 Met Ala Val Leu Ile Ile Leu Leu Pro Leu Gln Ser Cys Phe Gly Lys
                 245                 250                 255
 Leu Phe Ser Ser Leu Arg Ser Lys Thr Ala Thr Phe Thr Asp Ala Arg
             260                 265                 270
 Ile Arg Thr Met Asn Glu Val Ile Thr Gly Ile Arg Ile Ile Lys Met
         275                 280                 285
 Tyr Ala Trp Glu Lys Ser Phe Ser Asn Leu Ile Thr Asn Leu Arg Lys
     290                 295                 300
 Lys Glu Ile Ser Lys Ile Leu Arg Ser Ser Cys Leu Arg Gly Met Asn
 305                 310                 315                 320
 Leu Ala Ser Phe Phe Ser Ala Ser Lys Ile Ile Val Phe Val Thr Phe
                 325                 330                 335
 Thr Thr Tyr Val Leu Leu Gly Ser Val Ile Thr Ala Ser Arg Val Phe
             340                 345                 350
 Val Ala Val Thr Leu Tyr Gly Ala Val Arg Leu Thr Val Thr Leu Phe
         355                 360                 365
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RAW SEQUENCE LISTING DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

```
163  Phe Pro Ser Ala Ile Glu Arg Val Ser Glu Ala Ile Val Ser Ile Arg
164       370                 375                 380
165  Arg Ile Gln Thr Phe Leu Leu Leu Asp Glu Ile Ser Gln Arg Asn Arg
166  385                 390                 395                 400
167  Gln Leu Pro Ser Asp Gly Lys Lys Met Val His Val Gln Asp Phe Thr
168                  405                 410                 415
169  Ala Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr Leu Gln Gly Leu Ser
170              420                 425                 430
171  Phe Thr Val Arg Pro Gly Glu Leu Leu Ala Val Val Gly Pro Val Gly
172          435                 440                 445
173  Ala Gly Lys Ser Ser Leu Leu Ser Ala Val Leu Gly Glu Leu Ala Pro
174       450                 455                 460
175  Ser His Gly Leu Val Ser Val His Gly Arg Ile Ala Tyr Val Ser Gln
176  465                 470                 475                 480
177  Gln Pro Trp Val Phe Ser Gly Thr Leu Arg Ser Asn Ile Leu Phe Gly
178                  485                 490                 495
179  Lys Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val Ile Lys Ala Cys Ala
180              500                 505                 510
181  Leu Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly Asp Leu Thr Val Ile
182          515                 520                 525
183  Gly Asp Arg Gly Thr Pro Leu Ser Gly Gly Gln Lys Ala Arg Val Asn
184       530                 535                 540
185  Leu Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile Tyr Leu Leu Asp Asp
186  545                 550                 555                 560
187  Pro Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Glu Leu
188                  565                 570                 575
190  Cys Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His
191              580                 585                 590
192  Gln Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile Leu Ile Leu Lys Asp
193          595                 600                 605
194  Gly Lys Met Val Gln Lys Gly Thr Tyr Thr Glu Phe Leu Lys Ser Gly
195       610                 615                 620
196  Ile Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn Glu Glu Ser Glu Gln
197  625                 630                 635                 640
198  Pro Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu
199                  645                 650                 655
200  Ser Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly
201              660                 665                 670
202  Ala Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu
203          675                 680                 685
204  Glu Asn Arg Ser Glu Gly Lys Val Gly Phe Gln Ala Tyr Lys Asn Tyr
205       690                 695                 700
206  Phe Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Leu
207  705                 710                 715                 720
208  Asn Thr Ala Ala Gln Val Ala Tyr Val Leu Gln Asp Trp Trp Leu Ser
209                  725                 730                 735
210  Tyr Trp Ala Asn Lys Gln Ser Met Leu Asn Val Thr Val Asn Gly Gly
211              740                 745                 750
212  Gly Asn Val Thr Glu Lys Leu Asp Leu Asn Trp Tyr Leu Gly Ile Tyr
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RAW SEQUENCE LISTING DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

```
213          755                 760                 765
214  Ser Gly Leu Thr Val Ala Thr Val Leu Phe Gly Ile Ala Arg Ser Leu
215      770                 775                 780
216  Leu Val Phe Tyr Val Leu Val Asn Ser Ser Gln Thr Leu His Asn Lys
217  785                 790                 795                 800
218  Met Phe Glu Ser Ile Leu Lys Ala Pro Val Leu Phe Phe Asp Arg Asn
219                  805                 810                 815
220  Pro Ile Gly Arg Ile Leu Asn Arg Phe Ser Lys Asp Ile Gly His Leu
221              820                 825                 830
222  Asp Asp Leu Leu Pro Leu Thr Phe Leu Asp Phe Ile Gln Thr Leu Leu
223          835                 840                 845
224  Gln Val Val Gly Val Val Ser Val Ala Val Ala Val Ile Pro Trp Ile
225      850                 855                 860
226  Ala Ile Pro Leu Val Pro Leu Gly Ile Ile Phe Ile Phe Leu Arg Arg
227  865                 870                 875                 880
228  Tyr Phe Leu Glu Thr Ser Arg Asp Val Lys Arg Leu Glu Ser Thr Thr
229                  885                 890                 895
230  Arg Ser Pro Val Phe Ser His Leu Ser Ser Ser Leu Gln Gly Leu Trp
231              900                 905                 910
232  Thr Ile Arg Ala Tyr Lys Ala Glu Glu Arg Cys Gln Glu Leu Phe Asp
233          915                 920                 925
234  Ala His Gln Asp Leu His Ser Glu Ala Trp Phe Leu Phe Leu Thr Thr
235      930                 935                 940
236  Ser Arg Trp Phe Ala Val Arg Leu Asp Ala Ile Cys Ala Met Phe Val
237  945                 950                 955                 960
238  Ile Ile Val Ala Phe Gly Ser Leu Ile Leu Ala Lys Thr Leu Asp Ala
239                  965                 970                 975
240  Gly Gln Val Gly Leu Ala Leu Ser Tyr Ala Leu Thr Leu Met Gly Met
241              980                 985                 990
242  Phe Gln Trp Cys Val Arg Gln Ser Ala Glu Val Glu Asn Met Met Ile
243          995                 1000                1005
244  Ser Val Glu Arg Val Ile Glu Tyr Thr Asp Leu Glu Lys Glu Ala Pro
245      1010                1015                1020
246  Trp Glu Tyr Gln Lys Arg Pro Pro Pro Ala Trp Pro His Glu Gly Val
247  1025                1030                1035                1040
248  Ile Ile Phe Asp Asn Val Asn Phe Met Tyr Ser Pro Gly Gly Pro Leu
249                  1045                1050                1055
250  Val Leu Lys His Leu Thr Ala Leu Ile Lys Ser Gln Glu Lys Val Gly
251              1060                1065                1070
253  Ile Val Gly Arg Thr Gly Ala Gly Lys Ser Ser Leu Ile Ser Ala Leu
254          1075                1080                1085
255  Phe Arg Leu Ser Glu Pro Glu Gly Lys Ile Trp Ile Asp Lys Ile Leu
256      1090                1095                1100
257  Thr Thr Glu Ile Gly Leu His Asp Leu Arg Lys Lys Met Ser Ile Ile
258  1105                1110                1115                1120
259  Pro Gln Glu Pro Val Leu Phe Thr Gly Thr Met Arg Lys Asn Leu Asp
260                  1125                1130                1135
261  Pro Phe Lys Glu His Thr Asp Glu Glu Leu Trp Asn Ala Leu Arg Glu
262              1140                1145                1150
```

<210> 9
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Sequence source:/note="synthetic construct"

<400> 9
ctdgtdgcdg tdgtdggn 18

see item 9 on Error Summary Sheet

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 06/18/2001
PATENT APPLICATION: US/09/647,140 TIME: 16:26:36

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt
Output Set: N:\CRF3\06182001\I647140.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1174 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:1174 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1259 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16
L:1259 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:1259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:1270 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17
L:1270 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1282 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18
L:1282 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18